Amendments to the Claims:

1-118. (previously canceled)

119. (currently amended) An isolated polypeptide having at least 80% amino acid sequence identity to:

(a) the amino acid sequence of the polypeptide of SEQ ID NO: 270 ~~shown in Figure 188 (SEQ ID NO: 270)~~;

(b) the amino acid sequence of the polypeptide of SEQ ID NO: 270 ~~shown in Figure 188 (SEQ ID NO: 270)~~, lacking its associated signal peptide;

(c) ~~the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 188 (SEQ ID NO: 270);~~

~~(d) the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 188 (SEQ ID NO: 270), lacking its associated signal peptide; or~~

~~(e)~~ the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 209962,

wherein, said polypeptide induces chondrocyte redifferentiation.

120. (currently amended) The isolated polypeptide of Claim 39 having at least 85% amino acid sequence identity to:

(a) the amino acid sequence of the polypeptide of SEQ ID NO: 270 ~~shown in Figure 188 (SEQ ID NO: 270)~~;

(b) the amino acid sequence of the polypeptide of SEQ ID NO: 270 ~~shown in Figure 188 (SEQ ID NO: 270)~~, lacking its associated signal peptide;

~~(c) the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 188 (SEQ ID NO: 270);~~

~~(d) the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 188 (SEQ ID NO: 270), lacking its associated signal peptide; or~~

~~(e)~~(c) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 209962,

wherein, said polypeptide induces chondrocyte redifferentiation.

121. (currently amended) The isolated polypeptide of Claim 39 having at least 90% amino acid sequence identity to:

(a) the amino acid sequence of the polypeptide of SEQ ID NO: 270 ~~shown in Figure 188 (SEQ ID NO: 270)~~;

(b) the amino acid sequence of the polypeptide of SEQ ID NO: 270 ~~shown in Figure 188 (SEQ ID NO: 270)~~, lacking its associated signal peptide;

(c) ~~the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 188 (SEQ ID NO: 270);~~

~~(d) the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 188 (SEQ ID NO: 270), lacking its associated signal peptide; or~~

~~(e)~~ the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 209962,

wherein, said polypeptide induces chondrocyte redifferentiation.

122. (currently amended) The isolated polypeptide of Claim 39 having at least 95% amino acid sequence identity to:

(a) the amino acid sequence of the polypeptide of SEQ ID NO: 270 ~~shown in Figure 188 (SEQ ID NO: 270)~~;

(b) the amino acid sequence of the polypeptide of SEQ ID NO: 270 ~~shown in Figure 188 (SEQ ID NO: 270)~~, lacking its associated signal peptide;

(c) ~~the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 188 (SEQ ID NO: 270);~~

~~(d) the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 188 (SEQ ID NO: 270), lacking its associated signal peptide; or~~

~~(e)~~ the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 209962,

wherein, said polypeptide induces chondrocyte redifferentiation.

123. (currently amended) The isolated polypeptide of Claim 39 having at least 99% amino acid sequence identity to:

(a) the amino acid sequence of the polypeptide of SEQ ID NO: 270 ~~shown in Figure 188 (SEQ ID NO: 270)~~;

(b) the amino acid sequence of the polypeptide of SEQ ID NO: 270 ~~shown in Figure 188 (SEQ ID NO: 270)~~, lacking its associated signal peptide,

(c) ~~the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 188 (SEQ ID NO: 270);~~

~~(d) the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 188 (SEQ ID NO: 270), lacking its associated signal peptide; or~~

~~(e)~~ the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 209962,

wherein, said polypeptide induces chondrocyte redifferentiation.

124. (currently amended) An isolated polypeptide comprising:

(a) the amino acid sequence of the polypeptide of SEQ ID NO: 270 ~~shown in Figure 188 (SEQ ID NO: 270)~~;

(b) the amino acid sequence of the polypeptide of SEQ ID NO: 270 ~~shown in Figure 188 (SEQ ID NO: 270)~~, lacking its associated signal peptide;

(c) ~~the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 188 (SEQ ID NO: 270)~~;

(d) ~~the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 188 (SEQ ID NO: 270), lacking its associated signal peptide;~~ or

~~(e)~~ the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 209962;

wherein, said polypeptide induces chondrocyte redifferentiation.

125. (currently amended) The isolated polypeptide of Claim 124 comprising the amino acid sequence of the polypeptide of SEQ ID NO: 270 ~~shown in Figure 188 (SEQ ID NO: 270)~~.

126. (currently amended) The isolated polypeptide of Claim 124 comprising the amino acid sequence of the polypeptide of SEQ ID NO: 270 ~~shown in Figure 188 (SEQ ID NO: 270)~~, lacking its associated signal peptide.

127-128. (canceled)

129. (previously presented) The isolated polypeptide of Claim 124 comprising the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 209962.

130. (currently amended) A chimeric polypeptide comprising a polypeptide according to Claim 124 ~~119~~ fused to a heterologous polypeptide.

131. (previously presented) The chimeric polypeptide of Claim 130, wherein said heterologous polypeptide is an epitope tag or an Fc region of an immunoglobulin.